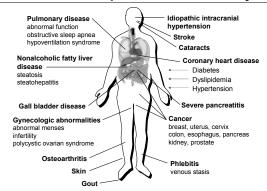


KAISER PERMANENTE.

Medical Complications of Obesity



VP	
• 10 y.o. Hispanic Male with BMI>>>95%	
height 4 ft 8" and wt 165 pounds • acanthosis nigrans	
 Family history: mom is overweight and had gestational diabetes with his pregnancy, grandparent has type 2 diabetes 	
A KAISER PERMANENTE»	
Social History	
 He lives with mother and 12 y.o. brother in a low income urban neighborhood 	
Parents divorced, history of domestic violence	
Mother works 40 – 50 hours/weekHer family lives in Mexico	
She feels overwhelmed	
₩ Kaiser Permanente.	
Nutrition	
-	
Free lunch at school	
3 – 4 pops/dayLarge portions	
Snacks on hot dogs and sugared cereal	
 0 – 1 servings of fruit or vegetable/day 	

Activity

- · Walks 2 blocks to school
- Physical education 2 days/week
- · Recess after lunch only
- Television 4 5 hours/day (TV in bedroom)
- No structured after-school programs or sports
- 30 minutes homework/day



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MK

- 12 y.o. BMI 95%, tanner 3 development
- Family history: mother overweight, no history of diabetes

M KAISER PERMANENTE.

Social history

- Lives with parents in a middle-class suburban neighborhood with a lollipop configuration
- Father is a professional and mother does not work outside the home

Nutrition

- School lunch: hot lunch, pizza, meatball Subway® sandwiches
- Pop 1 2/week (not purchased from school vending machine)
- 5 servings of fruits and vegetables/day
- Restaurant meals 1 2/week

M KAISER PERMANENTE.

Activity

- School bus—she walks the 4 minutes to the bus stop, others in neighborhood are driven. School is 5 miles from her home.
- · Physical education 2 days/week
- · Volleyball at recreation center in fall 2 days/week
- · Piano practice 30 minutes/day
- Homework 2 3 hours/day

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Activity

- Television 1 2 hours/day (TV in bedroom)
- · Bicycles or skis with dad on weekends
- Restricted from walking to neighborhood park and tennis courts without an adult because of safety concerns



in Kaiser Permanente...



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M KAISER PERMANENTE.

Biological component •VP's mother is overweight •MK's mother is overweight ·Gestational diabetes KAISER PERMANENTE. **Environmental component** •VP has P.E. 2 days/week •MK has P.E. 2 days/week ·Hot lunch at school ·Hot lunch and unhealthy choices ·No other choices ·Vending machine •No vending machine ·Walks 4 minutes to school ·Walks 5 minutes to school •Television in bedroom Television in bedroom ·Fruits and vegetables available ·Fruits and vegetables not at home available at home M KAISER PERMANENTE. **Environmental component** ·Unhealthy food at home ·Healthy food at home ·Nearby park not used ·Nearby park and tennis courts not used KAISER PERMANENTE.

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Cognitive component

- •VP's Mother is inactive
- •Permissive parenting style
- ·Single parent
- Sibling
- ·Eats for comfort
- •MK's Mother is inactive
- ·Protective parenting style
- Two parents
- No siblings

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Get more energy! MORE ENERGY MEANS MORE FUN!





- GET UP & PLAY HARD
 - At least 30 60 minutes a day
- CUT BACK ON TV & VIDEO GAMES
 - No more than one hour a day and remove TV from bedroom
- EAT 5 HELPINGS OF FRUITS & VEGETABLES A DAY
 - 1 fruit or ½ cup of vegetables = 1 helping
- CUT DOWN ON SODAS & JUICE DRINKS
 - No more than 1 can or small cup a day
 - Drink water when thirsty

